

INTERNATIONAL SEARCH REPORT

Intern	Application No
PCT/IB2004/052014	

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	G11B20/14	H03M5/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	WO 2004/001747 A (KAHLMAN JOSEPHUS A H M; KONINKL PHILIPS ELECTRONICS NV (NL)) 31 December 2003 (2003-12-31) the whole document -----	1-20
A	US 2003/174625 A1 (OKAMURA HIROSHIGE ET AL) 18 September 2003 (2003-09-18) abstract paragraphs '0046! - '0148! figures 1-8 -----	1, 9, 14, 15

<input type="checkbox"/>	Further documents are listed in the continuation of box C.
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<input checked="" type="checkbox"/>	Patent family members are listed in annex.
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• Special categories of cited documents :	<ul style="list-style-type: none"> • A* document defining the general state of the art which is not considered to be of particular relevance • E* earlier document but published on or after the international filing date • L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) • O* document referring to an oral disclosure, use, exhibition or other means • P* document published prior to the international filing date but later than the priority date claimed • T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention • X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone • Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. • &* document member of the same patent family
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Date of the actual completion of the international search	Date of mailing of the international search report
20 December 2004	11/04/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Sucher, R

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 2004001747 A	31-12-2003	WO	2004001747 A2	31-12-2003
US 2003174625 A1	18-09-2003	JP	2003263843 A	19-09-2003